In this database, we consider as CWP all the proteins secreted into the extracellular space as well as proteins located at the interface between the plasma membrane and the cell wall. All CWP contain a signal peptide at their N-terminus targeting the protein to the secretory pathway. Since the signal peptide is cleaved during secretion, its presence in the pre-protein is checked by bioinformatic analysis using A. thatlane genomic data (psort nibla ac, pform himl.) www.cbs.dtu.dk/services/TargetP/). Proteins having trans-membrane domains may be found in cell wall proteomic studies as fragments of their extracellular domains produced by proteolysis either in vivo or during extraction.

Proteins are distributed in eight functional classes: proteins acting on cell wall polysaccharides include glycoside hydrolases, glycosyl transferases, polysaccharide lyases, carbohydrate esterases and expansins; oxido-reductases; proteins with interacting domains such as lectins and proteins with LRR domains; proteins involved in signaling; structural proteins; miscellaneous and proteins of unknown function.

The colour code is as follows: proteins having trans-membrane domain(s) according to the Aramemnon database (http://aramemnon.botanik.uni-koeln.de/) are in bold characters. proteins having a GPI anchor [43]

Functional classification	Functions or putative functions	gene accession number	rosettes (4-5 weeks)	cell suspension culture (7 days)	cell suspension culture (21 days)	etiolated hypocotyls (11 days)	etiolated seedlings grown in liquid medium (14 days)	culture medium etiolated seedlings (14 days)	cell suspension cultures (5 days)	protoplasts (1 h)	protoplasts (3 h)
Proteins acting on cell wall		410.40000									
polysaccharides	glucosidase) glycoside hydrolase family 1 (beta-	At3g18080	1			1					
glycoside hydrolases (GH)	glucosidase)	At2g44450		1					1		
	glycoside hydrolase family 1	At5g25980				1					
	glycoside hydrolase family 1 (beta- glucosidase)	At1g66280								4	1
	glycoside hydrolase family 3 (beta-	Attgoozoo									•
	xylosidase) (AtBXL4)	At5g64570	1					1			
	glycoside hydrolase family 3 (beta- xylosidase) (AtBXL7)	At1g78060	1			1					
	glycoside hydrolase family 3 (beta-					-					
	xylosidase) (AtBXL5) glycoside hydrolase family 3 (xylosidase)	At3g19620	1								
	(AtBXL1)	At5q49360				1					
	glycoside hydrolase family 3 (beta-										
	glucosidase) glycoside hydrolase family 9 (endo-	At5g20950	1	1					1	1	1
	glucanase)	At1g71380		1					1		
	glycoside hydrolase family 9 (cellulase)	At4g09740						1			
	glycoside hydrolase family 10 (beta- xvlanase)	At4g33810	1			1					
	glycoside hydrolase family 16 (xyloglucan	Altgood to	•			•					
	endotransferase) (EXGT-A1) (At-XTH4)	At2g06850	1	1		1					
	glycoside hydrolase family 16 (endoxyloglucan transferase) (EXGT-A4)										
	(At-XTH5)	At5g13870				1					
	glycoside hydrolase family 16 (endoxyloglucan transferase) (At-XTH11)	At3g48580							1	1	1
	glycoside hydrolase family 16	Al3946560							'	1	1
	(xyloglucan:xyloglucosyl transferase)										
	(XTR6) (At-XTH23) glycoside hydrolase family 16 (xyloglucan	At4g25810		1				1			
	endotransferase) (meri-5) (At-XTH24)	At4g30270		1		1					
	glycoside hydrolase family 16 (xyloglucan	-						_			
	endotransferase) (EXGT-A3) (At-XTH27) glycoside hydrolase family 17 (endo-1,3-ß	At2g01850						1			
	D-glucosidase) (BG2) (PR2)	At3g57260	1								
	glycoside hydrolase family 17 (endo-1,3-ß	At3g57240	1								
	D-glucosidase) (BG3) glycoside hydrolase family 17 (beta-1,3-	Alag57240									
	glucosidase)	At3g55430	1								
	glycoside hydrolase family 17 (beta-1,3- glucosidase)	At3q57270	1								
	glycoside hydrolase family 17 (beta-1,3-		•								
	glucosidase)	At3g07320		1							
	glycoside hydrolase family 17 (beta-1,3- glucosidase)	At1g66250			1						
	glycoside hydrolase family 17 (beta-1,3-	-			-						
	glucosidase) glycoside hydrolase family 17 (beta-1,3-	At2g01630			1						
	glucosidase)	At3g13560			1						
	glycoside hydrolase family 17 (beta-1,3- glucosidase)	At4g31140			1						
	glycoside hydrolase family 17 (beta-1,3-	A(4931140			'						
	glucosidase)	At5g58090			1						
	glycoside hydrolase family 17 (beta-1,3- glucosidase)	At1g11820			1						
	glycoside hydrolase family 17 (beta-1,3-										
	glucosidase)	At4g16260	1	1							
	glycoside hydrolase family 18 (chitinase) glycoside hydrolase family 19 (chitinase)	At4g19810 At4g01700	1	1							
	glycoside hydrolase family 18 (chitinase)	At5g24090							1		
	glycoside hydrolase family 19 (chitinase) glycoside hydrolase family 19 (chitinase)	At3g54420 At3g12500		1				1			
	glycoside hydrolase family 19 (chitinase)	At2g43610						'		1	
	glycoside hydrolase family 20 (N-acetyl-	-									
	beta-glucosaminidase) glycoside hydrolase family 20 (N-acetyl-	At1g65590				1		1		1	1
	beta-glucosaminidase)	At3g55260				1					
	glycoside hydrolase family 27 (alpha- galactosidase/melibiase)	At5q08380	1						1	1	1
	glycoside hydrolase family 27 (alpha-		1						1	1	1
	galactosidase/melibiase)	At3g26380	1			1					

glycoside hydrolase family 28 ((polygalacturonase)   Al4g23500   1		
glycoside hydrolase family 28 (pobygalacturonase) At1g02790 1		
(polygalacturonase) At1g02790 1		
glycoside hydrolase family 28		
gryssolas nyarolas lainily 20		
(polygalacturonase) At2g33160 1		
glycoside hydrolase family 28 (polygalecturonase) At3g16850 1		
glycoside hydrolase family 28		
(polygalacturonase) At5g41870 1		
glycoside hydrolase family 29 (alpha-L- fucosidase) At2g28100 1		
glycoside hydrolase family 31 (alpha-		
xylosidase) (XYL1) At1g68560 1 1 1 1	1	1
glycoside hydrolase family 32 (beta- fructofuranosidase) 1 1 1 1	1	1
glycoside hydrolase family 32		'
(fructosidase/invertase) (FRUCT3) At1g62660 1		
glycoside hydrolase family 35 (beta- galactosidase) (IGAL1) At3q13750 1 1		
glacutosuase) (Dent. 1) glycoside hydrolase family 35 (beta-		
galactosidase) At5g63810 1 1 1	1	1
glycoside hydrolase family 35 (betagalactosidase) (BGAL6)  At5g63800		
galactosidase) (BL-ALLD) Atogo-seuu 1 glycoside hydrolase family 35 (beta-		
galactosidase) (BGAL8) At2g28470 1		
glycoside hydrolase family 35 (beta- galactosidase) At1g77410 1		
galactosidase) ATI g / / 410 [lycoside hydrolase family 38 (alpha-		
mannosidase) At5g13980 1		
glycoside hydrolase family 38 (alpha- mannosidase) At3g26720 1	1	1
mannosidase) glycoside hydrolase family 51 (alpha-	1	1
arabinofuranosidase) At3q10740 1		
glycoside hydrolase family 79 (endo-beta- glucuronidase/heparanase) Al5g34940 1		
glucuronidase/heparanase) glycoside hydrolase family 79 (endo-beta-		
glucuronidase/heparanase) At5q07830 1		
glycosyl transferase family 2 (cellulose synthase) (AtCesA8) (IRX1 At4g18780 1		
glycosyl transferase family 31		
(homolog to N. tabacum Avr9 elicitor		
response protein) At3g14960 1 polysaccharide lyase family 1 (pectate		
polysaccharide lyases (PL)   lyase) At4g24780 1		
polysaccharide lyase family 1 (pectate lyase) 4 45048900 1 1		
pectin methylesterase At1g41830 1 1		
carbohydrate esterase family 8 (pectin methylesterase) (PME3)  At3g14310 1 1 1		
carbohydrate esterase family 8 (pectin		
methylesterase) At2g19150 1		
carbohydrate esterase family 8 (pectin methylesterase) At2g47030 1		
carbohydrate esterase family 8 (pectin		
methylesterase) At3g43270 1		
carbohydrate esterase family 8 (pectin methylesterase) At4g33220 1		
carbohydrate esterase family 8 (pectin		
methylesterase) At4g33230 1		
carbohydrate esterase family 8 (pectin methylesterase) At5g53370 1		
carbohydrate esterase family 8 (pectin		
methylesterase) carbohydrate esterase family 8 (pectin		
methylesterase) At1g11580 1		
carbohydrate esterase family 13 (pectin		
acylesterase) carbohydrate esterase family 13 (pectin		
acylesterase) At4g19410 <b>1 1</b>		
alpha-expansin (ATHEXP ALPHA 1.2) expansins (AIEXPA1) At1q69530 1		7
(AELX-PAT) alpha-expansin (ATHEXP ALPHA 1.6)		
(AtEXPA4)* At2g39700 1 1		
alpha-expansin (ATHEXP ALPHA 1.8) (AIEXPA6)*  Al2g28950		
alpha-expansin (ATHEXP ALPHA 1.10)		
(AtEXPA9) At5g02260 1		
alpha-expansin (ATHEXP ALPHA 1.14) (AIEXPA11)  At1g20190  1		
homolog to expansin (ATHEXP BETA 2.1)		
(AIEXLA1) At3g45970 1 1 1 1		
nomoing to expansin (ATHEAP BETA 2.3 (ATEXLAS) (ATEXLAS) (ATEXLAS)		
homolog to expansin (expansin related		
precursor 3) (EXR3) A12g18660 1		

homolog to L-ascorbate oxidase   homolog to L-ascorbate oxidase	
peroxidase prxCb peroxidase ATP3a At5g64100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Deroxidase proCb	
peroxidase ATP3a	
peroxidase ATPSa (Alperox P10)	
peroxidase ATP6a	
peroxidase ATP7a	
Deroxidase ATPBa	
Peroxidase ATP12a (PRXR7)	
peroxidase ATP13a	
peroxidase ATP15a	
peroxidase ATP16A   A13g32980   1   1   1   1   1   1   1   1   1	
peroxidase ATP16A   A13g32980   1   1   1   1   1   1   1   1   1	
peroxidase ATPEA   A12g38380	
peroxidase ATPEA   A12g38380	
peroxidase Atperox P14 At2g18140 1 1 1 peroxidase ATP31 At4g38430 1 1	
peroxidase ATP31 At4g36430 1	
idea ATD36 (dees III) AD-49450	
peroxidase ATP36 (class III) At2g18150 1	
peroxidase ATP38 (Atperox P37) (C2) At4g08770 1	
homolog to berberine-bridge enzyme (S)-	
reticulin:oxygen oxido-reductase At2g34790 1 1	
homolog to beherine-bridge enzyme (S)-	
reticulin:oxygen oxido-reductase At5g44380 1 1 1 1	1
homolog to berbeine-bridge enzyme (S)-	
reticulin:oxygen oxidoreductase At5q44400 1	
homolog to berberine-bridge enzyme (S)-	
nomolog to berbenne-bnoge enzyme (s)- reticulin:oxygen oxido-reductase Al4g20830 1	
homolog to berberine-bridge enzyme (S)- retroulinoxygen oxido-reductase A15g44390 1	
homolog to berherine-bridge enzyme (S)- reliculir.novnen oxido-reductase At1o30730	4
	1
homolog to FAD-linked oxido-reductas	
family At2g46740 1	
germin (GLP1) (GLP4) Att g18970 1	
germin (AtGER3, GLP2, GLP3) At5g20630 1 1 1	
germin (GLP10) At3g62020 1	
germin (subfamily 1 member 10) At5g38930 1	
germin (subfamily 1 member 11) At5g38940 1	
germin (subfamily 2, member 1, GLP5) At1g09560 1 1 1	
germin (subfamily 2 member 2) At1g02335 1 1	
homolog to amine oxidase At4g14940 1	
SKU5 (multicopper oxidase) At4g12420 1 1	
homolog to SKU5 (multicopper oxidase) At4g22010 1	
homolog to SKU5 (SKS1) (multicopper	
oxidase) At4g25240 1 1	
teases         homolog to subtilisin (ARA12)         At5g67360         1         1         1         1         1	
homolog to subtilisin At2g05920 1 1	
homolog to subtilisin At1g01900 1 1	
homolog to subtilisin At4g00230 1	
homolog to subtilisin At1g20160 1	
homolog to subtilisin At1g04110 1	
homolog to subtilisin At5g03620 1	
homolog to subtilisin At5g03620 1	
homolog to subtilisin At5g03620 1	
homolog to subtilisin         At5g03620         1           homolog to subtilisin         At5g59130         1	
homolog to subtilisin	
homolog to subtilisin   AL5g03620   1   1	
homolog to subtilisin	

								_			
Proteins with interacting											
domains (with proteins or											
polysaccharides)	homolog to lectin (hevein domain)	At1g78830	1	1		1					
	homolog to lectin (hevein domain)	At1g78850	1	1		1			1	1	1
	homolog to lectin (hevein domain)	At1g78860	1	1		1					
	homolog to lectin (legume lectin domains)	At3g15356	1	1							1
	homolog to lectin (legume lectin domains)	At3g16530	1						1	1	1
	homolog to lectin (legume lectin domains)	At5g03350	1						-		
	homolog to lectin (legume lectin domains)	At1g53070	1	1					1	1	1
	nomolog to rectif (regame rectif domains)	Acigosoro	•						•	•	•
	r	114 00500	1			1					
	disease resistance protein (LRR domains)	At1g33590	1			1			1		
	l		_								
	disease resistance protein (LRR domains)	At3g20820	1			1					
	disease resistance protein (LRR domains)	At3g24480				1					
	disease resistance protein (LRR domains)	At2g34930	1								
	expressed protein (LRR domains)	At5g23400	1	1							
	expressed protein (LRR domains)	At1g33600	1								
	homolog to carrot EDGP and tomato										
	XEGIP	At1g03230	1			1			1		1
		Attgoozoo	•						•		
I	homolog to carrot EDGP and tomato	A44 =02222C	1								
I	XEGIP	At1g03220	1	1		1			! !		
I	PGIP1	At5g06860		1		1	l	l	1		
I	homolog to PGIP1 (LRR protein FLR1)	T23B7.10	1								
I	PGIP2	At5g06870	1	1							
I	homolog to Phaseolus vulgaris PGIP2										
I	(LRR domains)	At5g12940				1				1	
I	homolog to plant invertase/pectin										
I	methylesterase inhibitor (PMEI)	At1g47960	1								
I	homolog to plant invertase/pectin	•									
	methylesterase inhibitor (PMEI)	At5g64620	1								
	homolog to plant invertase/ pectin	7110g01020									
		A40-470F0		1							
	methylesterase inhibitor (PMEI)	At2g47050		1		1					
	homolog to cysteine proteinase inhibitor	At4g16500	1								
	homolog to serine proteinase inhibitor	At1g73260				1					
	homolog to miraculin (protease inhibitor										
	Kunitz)	At1g17860	1			1					
	homolog to cystatin	At5g47550	1								
	expressed protein (LysM domain)	At1g21880			1						
	expressed protein (LysM domain)	At2g17120			1						
	homolog to transducin family	-									
	protein/WD-40 repeat family protein	At5g08390		1							
Signaling	arabinogalactan protein (AGP12)	At3g13520					1				
	arabinogalactan protein (AGP13)	At4g26320					1				
	arabinogalactan protein (AGP14)	At5g56540					1				
	arabinogalactan protein (AGP15)	At5g11740					1				
	arabinogalactan protein (AGP16)	At2g46330					1				
	arabinogalactan protein (AGP20)	At3g61640					1				
	arabinogalactan protein (AGP21)	At1g55330					1				
	arabinogalactan protein (AGP22)	At5g53250					1				
I	arabinogalactan protein (AGP23)	At3g57690					1				
I	arabinogalactan protein (AGP24)	At5g40730					1				
I	arabinogalactan protein (AGP40)	At3g20865					1				
I	arabinogalactan protein (AGP41)	At5g24105					1				
I	fasciclin-like arabinogalactan protein	•									
l	(FLA1)	At5g55730	1						1		
1					1	1					
		Alogoorou			1	1					
	fasciclin-like arabinogalactan protein	-			1	1					
	fasciclin-like arabinogalactan protein (FLA7)	At2g04780	·			1					
	fasciclin-like arabinogalactan protein (FLA7) fasciclin-like arabinogalactan protein	At2g04780	·		1	1					
	fasciclin-like arabinogalactan protein (FLA7) fasciclin-like arabinogalactan protein (FLA8)	-	·			1					
	fasciclin-like arabinogalactan protein (FLA7) fasciclin-like arabinogalactan protein (FLA8) fasciclin-like arabinogalactan protein	At2g04780 At2g45470	,		1	1					
	fasciciin-like arabinogalactan protein (FLA7) fasciciin-like arabinogalactan protein (FLA8) fasciciin-like arabinogalactan protein (FLA10)	At2g04780 At2g45470 At3g60900	·		1 1 1	1					
	fasciclin-like arabinogalactan protein (FLA7) fasciclin-like arabinogalactan protein (FLA8) fasciclin-like arabinogalactan protein (FLA10) homolog to COBRA (AtCOBL7)	At2g04780 At2g45470 At3g60900 At4g16120			1						
	fasciciin-like arabinogalactan protein (FLAT) fasciciin-like arabinogalactan protein (FLA8) fasciciin-like arabinogalactan protein (FLA10) homolog to COBRA (AtCOBLT) weakly homolog to COBRA (AtCOBL10)	At2g04780 At2g45470 At3g60900			1 1 1	1					
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (AtCOBL7) weakly homolog to COBRA (AtCOBL10) homolog to fucine-rich repeat recepto	At2g04780 At2g45470 At3g60900 At4g16120 At3g20580			1 1 1	1					
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (AtCOBL7) weakly homolog to COBRA (AtCOBL10) homolog to leucine-rich repeat recepto protein kinase.	At2g04780 At2g45470 At3g60900 At4g16120	·		1 1 1						
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (AtCOBL7) weakly homolog to COBRA (AtCOBL10) homolog to fucine-rich repeat recepto	A12g04780 A12g45470 A13g60900 A14g16120 A13g20580 A12g29000			1 1 1	1					
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) fascicin-like arabinogalactan protein (FLA10) for the fascicin-like arabinogalactan protein (FLA10) for the fascicin-like arabinogalactan protein fascicin-like arabinoga to COBRA (AICOBL10) formotein kinase homolog to CLAVATA1 (putative receptor kinase)	At2g04780 At2g45470 At3g60900 At4g16120 At3g20580	1		1 1 1	1					
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) fascicin-like arabinogalactan protein (FLA10) for the fascicin-like arabinogalactan protein (FLA10) for the fascicin-like arabinogalactan protein fascicin-like arabinoga to COBRA (AICOBL10) formotein kinase homolog to CLAVATA1 (putative receptor kinase)	A12g04780 A12g45470 A13g60900 A14g16120 A13g20580 A12g29000			1 1 1	1					
	fascicin-like arabinogalactan protein (FLAT) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAT) bomolog to COBRA (AtCOBLT) weakly homolog to COBRA (AtCOBLT) homolog to Leutine-rich repeat recepto protein kinase homolog to CLAVATA1 (putative receptor kinase) homolog to receptor-kinase, WAKL	At2g04780 At2g45470 At3g60900 At4g16120 At3g20580 At2g29000 At5g05160			1 1 1	1					
	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) fascicin-like arabinogalactan protein (FLA10) for COBRA (AtCOBL7) weakly homolog to COBRA (AtCOBL10) homolog to leucine-rich repeat receptor protein kinase homolog to CLAVATA1 (putative receptor kinase) homolog to receptor-kinase, WAKL subfamily (AWAKL16, WLK2)	At2g04780 At2g45470 At3g60900 At4g16120 At3g20580 At2g29000 At5g05160 At1g79680		1	1 1 1	1					
	fascicin-like arabinogalactan protein (FLAT) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAT) bomolog to COBRA (AtCOBLT) weakly homolog to COBRA (AtCOBLTO) homolog to Leutine-rich repeat recepto protein kinase homolog to CLAVATA1 (putative receptor kinase) homolog to receptor-kinase, WAKL	At2g04780 At2g45470 At3g60900 At4g16120 At3g20580 At2g29000 At5g05160		1	1 1 1	1					
Structural analysis	fascicin-like arabinogalactan protein (FLAr) fascicin-like arabinogalactan protein (FLA) fascicin-like arabinogalactan protein (FLA10) fascicin-like arabinogalactan protein (FLA10) monolog to COBRA (AtCOBL10) monolog to lecine-rich repeat recepto protein kinase homolog to CLAVATA1 (putative receptor kinase) homolog to CLAVATA1 (putative receptor kinase) homolog to receptor-kinase, WAKL subfamily (AWAKL10, WLK2) homolog to S-locus protein kinase	A12g04780 A12g45470 A13g60900 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g61500		1	1 1 1	1 1					
Structural proteins	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (ACOBL7) weakly homolog to COBRA (AICOBL10) homolog to Leucine-rich repeat recepto protein kinase homolog to CLAVATA1 (putative receptor kinase) homolog to Ceptor-kinase, WAKL subfamily (AtWAKL10, WLK2) homolog to S-locus protein kinase glycine-rich protein	A12g04780 A12g45470 A13g69000 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g61500 A12g05580		1	1 1 1	1 1 1					
Structural proteins	fascicin-like arabinogalactan protein (FLAr) fascicin-like arabinogalactan protein (FLAr) fascicin-like arabinogalactan protein (FLAr) fascicin-like arabinogalactan protein (FLAr) momolog to COBRA (AtCOBLT) weakly homolog to CCANATA1 (putative receptor kinase) homolog to CLAVATA1 (putative receptor kinase) homolog to receptor-kinase, WAKL subfamily (AtWAKL10, WLK2) homolog to S-locus protein kinase glycine-rich protein	A12g04780 A12g45470 A13g60900 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g61500		1	1 1 1	1 1					
Structural proteins	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (AKCOBL7) weakly homolog to COBRA (AKCOBL10) homolog to COBRA (AKCOBL10) homolog to CLAVATA1 (putative receptor kinase) homolog to CLAVATA1 (putative receptor kinase) homolog to CABOLOUS (MUKC) homolog to Folicus protein kinase glycine-rich protein homolog to proline-rich protein homolog to Pateacum pistl specific	A12g04780 A12g45470 A13g69000 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g61500 A12g05580 A11g28290		1	1 1 1	1 1 1 1 1					
Structural proteins	fascicin-like arabinogalactan protein (FLAT) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAB) fascicin-like arabinogalactan protein (FLAB) monolog to COBRA (AtCOBLT) weakly homolog to CLAVATA1 (putative receptor kinase) homolog to CLAVATA1 (putative receptor-kinase), WAKL subfamily (AtWAKLT), WLK2) homolog to S-locus protein kinase glycine-rich protein homolog to proline-rich protein	A12g04780 A12g45470 A13g60900 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g79680 A12g6580 A12g2580 A12g34700		1	1 1 1	1 1 1 1 1 1					
Structural proteins	fascicin-like arabinogalactan protein (FLA7) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA8) fascicin-like arabinogalactan protein (FLA10) homolog to COBRA (AKCOBL7) weakly homolog to COBRA (AKCOBL10) homolog to COBRA (AKCOBL10) homolog to CLAVATA1 (putative receptor kinase) homolog to CLAVATA1 (putative receptor kinase) homolog to CABOLOUS (MUKC) homolog to Folicus protein kinase glycine-rich protein homolog to proline-rich protein homolog to Pateacum pistl specific	A12g04780 A12g45470 A13g69000 A14g16120 A13g20580 A12g29000 A15g05160 A11g79680 A11g61500 A12g05580 A11g28290		1	1 1 1	1 1 1 1 1					

Miscellaneous	homolog to lipase	At1g28600	1							
	homolog to anther specific proline-rich									
	protein APG (lipase acylhydrolase domain)	At1g29670	1			1				
	weakly homolog to anther-specific proline-									
	rich protein APG (lipase/acylhydrolase	442-44220								
	domain) homolog to anther-specific proline-rich	At3g14220				1				1
	protein APG (lipase/acylhydrolase									
	domain)	At1g54000							1	1
	homolog to anther-specific proline-rich									
	protein APG (lipase/acylhydrolase									
	domain)	At1g54010				1			1	1
	homolog to anther-specific proline-rich									
	protein APG (lipase/acylhydrolase domain)	At4g16220				1				
	homolog to glycerophosphodiesterase (GPDL1)	At5q55480			1					
	homolog to glycerophosphodiesterase	Alayaa460			1					
	(GPDL2)	At4g26690			1					
	non-specific lipid transfer protein 2 (LTP2)	At2g38530				1				
	non-specific lipid-transfer protein 5 (LTP5)	At3g51600	1							
	homolog to lipid transfer protein	At1g27950			1				1	1
	weakly homolog to Aspergillus oryzae									
	phosphatidyl glycerol phosphatidylinositol									
	transfer protein	At3g44100	1					l		
	PR1	At2g14610	1					l		
	homolog to Lycopersicon esculentum	A40-00700				1		l		
	osmotin homolog to thaumatin (PR5)	At2g28790 At1g75040	1			1	1	l		
	homolog to thaumatin (PR5)	At1g73620				1		l		
	homolog to dirigent protein	At4g23690		1						
	homolog to dirigent protein	At1g65870	1	-						
	ribonuclease RNS1	At2g02990		1				1		
	homolog to Brassica napus dehydratation									
	stress-induced protein	At2g22170				1	1			
	homolog to apospory-associated protein	At4g25900	1	1				1	1	1
	homolog to aldose-1-epimerase	At3g47800		_				1	_	_
	homolog to strictosidine synthase	At1g74000		1					1	1
	homolog to purple acid phosphatase homolog to purple acid phosphatase	At4g36350 At2g16430		1						
	homolog to Phaseolus vulgaris iron(III)-	At29 10430		1						
	zinc(II) purple acid phosphatase	At5g34850				1				
	weakly homolog to acid phosphatase	At1g09870					1			
	homolog to acid phosphatase	At5g51260				1	-			
	homolog to acid phosphatase	At4g29270				1				
	homolog to Nicotiana tabacum phi-l	-								
	(EXORDIUM)	At4g08950		1		1				
	homolog to Nicotiana tabacum phi-l	At5g09440				1				
	homolog to Nicotiana tabacum phi-l	At5g64260		_		1				
	homolog to Nicotiana tabacum phi-l	At1g35140		1						
	homolog to phosphatidylinositol transfer protein (AtSEC14)	At2g21540				1				
	homolog to calreticulin	At2g21540 At1g08450		1		1		l		
	homolog to quinoprotein glucose	. 11 1900 TOU						l		
	dehydrogenase (weakly homolog to									
	hedgehog interacting protein HIPL1)	At1g74790			1			l		
	homolog to quinoprotein glucose	•						l		
	dehydrogenase (weakly homolog to							l		
	hedgehog interacting protein HIPL2)	At5g62630			1			l		
	stellacyanin AtSTC1, BCB (blue copper							l		
	binding protein)	At5g20230			1			l		
	plantacyanin ARPN (blue copper binding	At2q02850	1					l		
	protein) uclacyanin II (blue copper binding protein)	At2g02850 At2g44790	1		1			l		
	early nodulin AtEN6 homolog to blue	A12944130			'			l		
	copper binding protein	At5g25090			1			l		
	early nodulin AtEN7 homolog to blue							l		
	copper binding protein	At2g25060			1			l		
	early nodulin AtEN12 homolog to blue	-						l		
	copper binding protein	At4g27520			1			l		
	early nodulin AtEN20 homolog to blue							l		
	copper binding protein	At4g12880	1			1	1	l		
	homolog to Gossypium hirsutum vicilin	A+2-22646						l		
	(alpha globulin A or B)	At3g22640				1				
	homolog to phosphoesterase homolog to ceramidase	At1g13750 At2g38010				1		1	1	
	homolog to ceramidase	At2g36010 At2g04750	1					l		
		, 112go+130			i			l		

Unknown function	expressed protein	At1g21670	1	1				1		
	expressed protein	At4g34180		1			1			
	expressed protein	At1g76020	1							
	expressed protein	At1g71040	1							
	expressed protein	At5g18860		1				1		1
	expressed protein	At5g24460		1						
	expressed protein	At4g24890		1						
	expressed protein	At5g19230			1					
	expressed protein	At5g19250			1					
	expressed protein	At1g62070					1			
	expressed protein	At2g41150					1			
	expressed protein	At3g42160				1				
	expressed protein	At1g51630						1		
	expressed protein (DUF26)	At3g22060	1							
	expressed protein (DUF26)	At5g41280			1					
	expressed protein (DUF26)	At5g41290			1					
	expressed protein (DUF231)	At5g06230				1				
	expressed protein (DUF288)	At3g57420	1							
	expressed protein (DUF538)	At3g07470					1			
	expressed protein (auxin-responsive									
	protein AIR12) (DUF568)	At3g07390			1					
	expressed protein (DUF642)	At3g08030	1	1		1		1		
	expressed protein (DUF642)	At5g11420	1			1				
	expressed protein (DUF642)	At2g41800		1				1		
	expressed protein (DUF642)	At5g25460				1				
	expressed protein (ML domain - MD-2-									
1	related lipid recognition domain)	At5g23820					1			
1	expressed protein (MATH domain)	At5g26260				1		1	1	1
	expressed protein (MATH domain)	At5g26280				1			1	
	expressed protein (MATH domain)	At3g20370				1				